

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic control signal at the intersection of MD 543 and MD 136 in Harford County, Maryland. MD 543 is considered to run in a north/south direction.

II. INTERSECTION OPERATION

The intersection is to continue to operate in a NEMA six (6) phase, full-traffic-actuated mode. The MD 543 through movements operate concurrently. There are exclusive/permissive left turn phases for both the east and westbound movement of MD 136. The MD 136 through movements operate concurrently.

The existing cabinet/controller will be utilized.

EQUIPMENT LIST

A. Approved S.H.A. equipment to be purchased by the Developer and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
1	EA	813	30 in. x 36 in. R 3-5(R) sign with span wire mounting hardware.

B. Equipment to be furnished and/or installed by the Contractor.

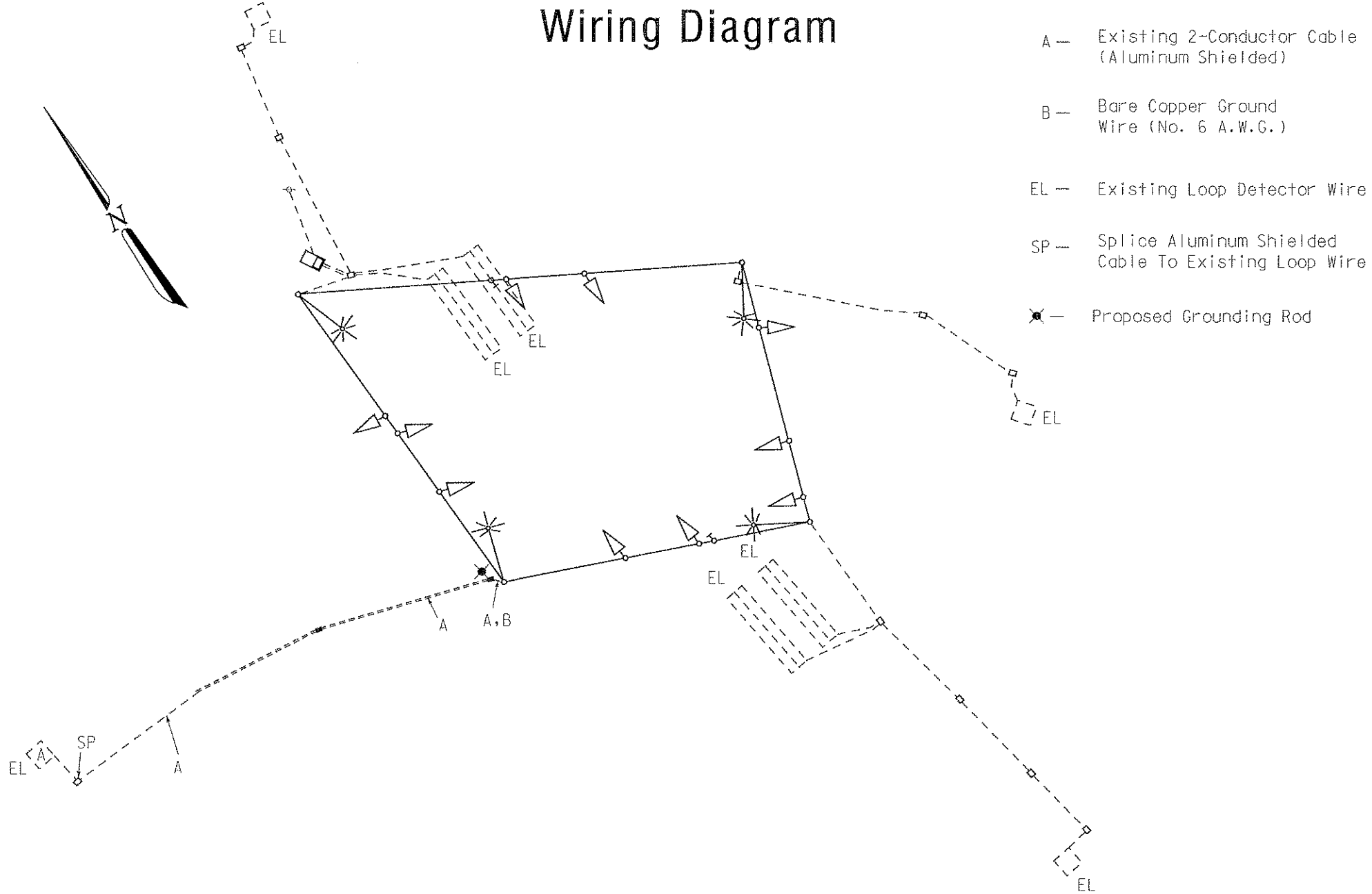
All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
1	CY	205	Test pit excavation.
2	EA	811	Handhole.
250	LF	804	2 in. polyvinyl chloride (Schedule 80) electrical conduit - trenched.
1	EA	805	Loop detector splice.
1	LF	804	Ground rod - 3/4 in. diameter x 10 ft. length.
10	EA	810	Bare copper stranded copper ground wire (No. 6 A.W.G.).
40	LF	556	24 in. wide HAPPTM - white for stop line.
Lump Sum	LS	---	Removal of existing traffic signal equipment.
Lump Sum	LS	---	As-built for S.H.A. (on CADD).

Phase Chart

	1	2	3	4	5	6	7	8	9	10	
	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	
Phase 2 & 6	G	G	G	G	G	G	R	R	R	R	←
2 & 6 Change	Y	Y	Y	Y	Y	Y	R	R	R	R	→
Phase 3 & 7	R	R	R	R	R	R	← G	R	← G	R	↙
3 & 7 Change to Phase 3 & 8 or Phase 4 & 7 or Phase 4 & 8											
Phase 3 & 8	R	R	R	R	R	R	← G	G	← R	R	↑
3 Change	R	R	R	R	R	R	← Y	G	← R	R	↑
Phase 4 & 7	R	R	R	R	R	R	← R	R	← G	G	↘
4 Change	R	R	R	R	R	R	← R	R	← G	G	↘
Phase 4 & 8	R	R	R	R	R	R	G	G	G	G	↓
4 & 8 Change	R	R	R	R	R	R	Y	Y	Y	Y	↓
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	⚡

Wiring Diagram



CONTACT LIST

The contact persons for District #4 are as follows:

Mr. Dave Malkowski
District Engineer
410-321-2810

Mr. Randall Scott
Assistant District Engineer - Traffic
410-321-2781

Mr. Graydon Tobery
Assistant District Engineer - Utility
410-321-3460

Mr. Dave Ramsey
Assistant District Engineer - Maintenance
410-321-2761

Mr. Richard L. Daff
Chief, Traffic Operations Division
410-787-7630

Revision "C" The Traffic Group, Inc. 410-931-6600 Fax 410-931-6601	APPROVALS		 MARYLAND DOT - STATE HIGHWAY ADMINISTRATION <i>Office of Traffic & Safety</i> TRAFFIC ENGINEERING DESIGN DIVISION (General Information Plan) MD 543 at MD 136								
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION										
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION										
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION		DRAWN BY: Frank Hoeckel		F.A.P. NO. N/A		TS NO. GI-618C		SHEET NO.		
	DIRECTOR, TRAFFIC & SAFETY		CHECKED BY:		S.H.A. NO. BW996M82		COUNTY: Harford		T.I.M.S. NO. D820		2 OF 2
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